

Table 4.2.14. Supplementary Table S6 Effect of volatile compound produced by biocontrol agents on induction of Superoxide dismutase activities in chilli Roots against *R. solanacearum* in glasshouse condition

| Treatments | Superoxide dismutase activity ($\Delta OD/min/mg$ protein) | | | | | |
|-----------------------------------|---|--------------------------|-------------------------|--------------------------|-------------------------|------------|
| | 0 hapi | 24hapi | 48hapi | 72hapi | 96hapi | Mean value |
| T1 (Control) | 0.0027 \pm 0.02 b | 0.0028 \pm 0.024e | 0.0035 \pm 0.030 e | 0.0031 \pm 0.027d | 0.0027 \pm 0.026 d | 0.0029 |
| T2 (<i>B. subtilis</i> KA9) | 0.0028 \pm 0.03 b | 0.00534 \pm 0.029 d | 0.0071 \pm 0.027c | 0.0064 \pm 0.033a b | 0.0043 \pm 0.034c | 0.0051 |
| T3 (<i>P. fluorescens</i> PDS1) | 0.0027 \pm 0.03 b | 0.0055 \pm 0.035d | 0.0063 \pm 0.028 d | 0.0061 \pm 0.031a b | 0.0045 \pm 0.036 b | 0.0050 |
| T4 (<i>B. subtilis</i> KA9 + RS) | 0.0033 \pm 0.03 a | 0.0066 \pm 0.030c | 0.0083 \pm 0.023 b | 0.0068 \pm 0.030a | 0.0052 \pm 0.040 a | 0.0060 |
| T5 (<i>P. fluorescens</i> +RS) | 0.0028 \pm 0.03 b | 0.0075 \pm 0.029a | 0.0085 \pm 0.025 b | 0.0055 \pm 0.034c | 0.0045 \pm 0.033 b | 0.0057 |
| T6(RS+KA9+ PDS1) | 0.0033 \pm 0.03 a | 0.0072 \pm 0.031b | 0.0091 \pm 0.026 a | 0.0063 \pm 0.041a b | 0.0047 \pm 0.031 b | 0.0061 |
| T7 (RS) | 0.0029 \pm 0.03 b | 0.0056 \pm 0.032d | 0.0065 \pm 0.026c | 0.0056 \pm 0.031c | 0.0046 \pm 0.029 b | 0.0050 |
| Mean value | 0.0029 | 0.0057 | 0.0070 | 0.0056 | 0.0043 | - |